

FIG. 1 (a)

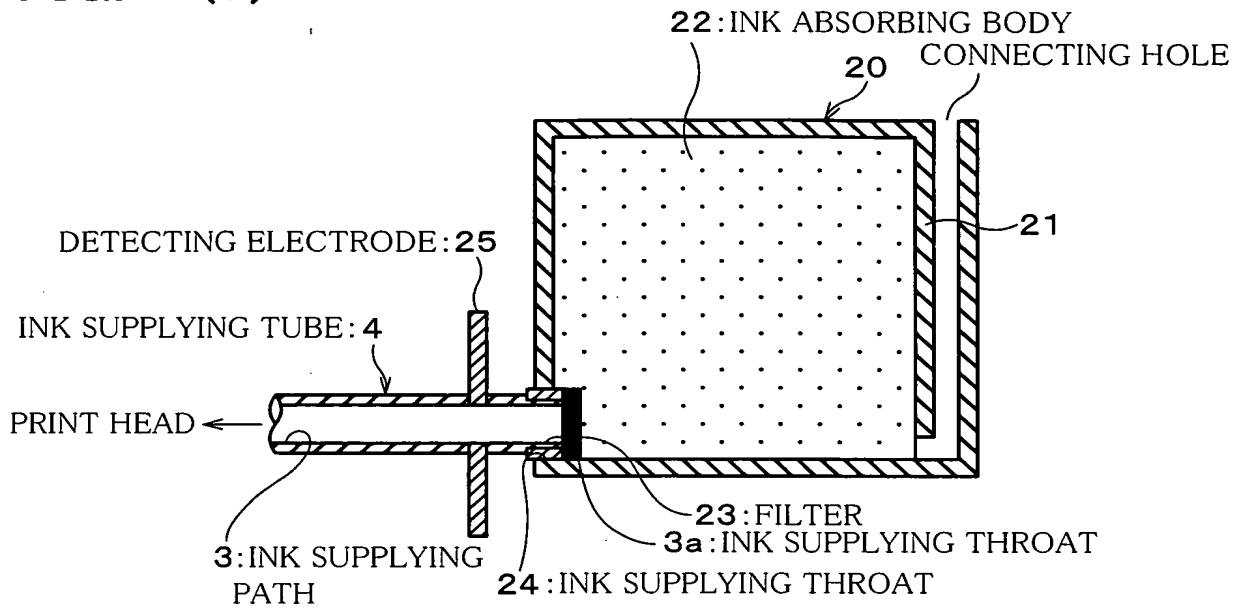


FIG. 1 (b)

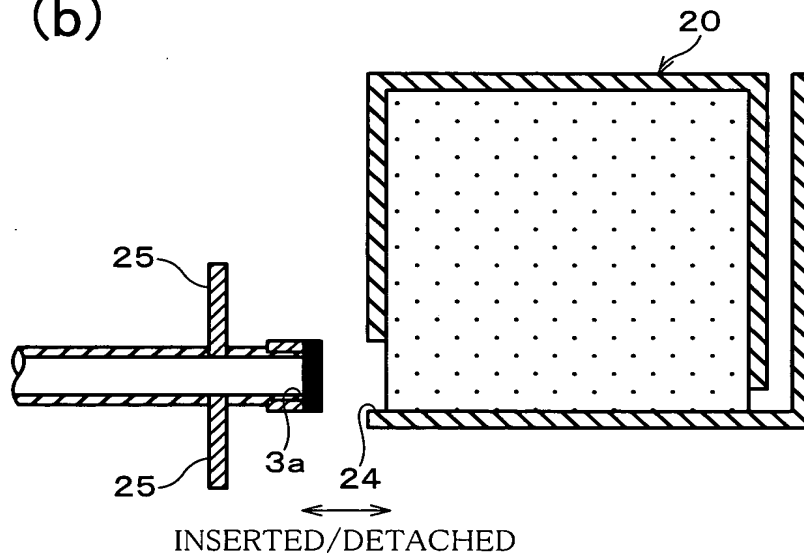


FIG. 1 (c)

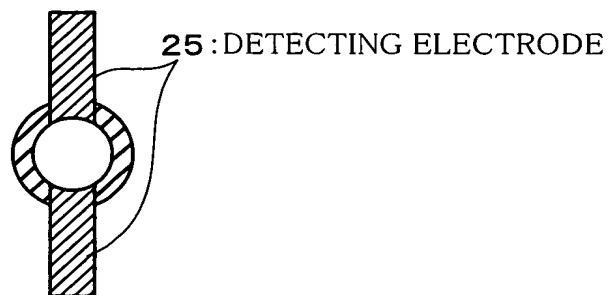


FIG. 2

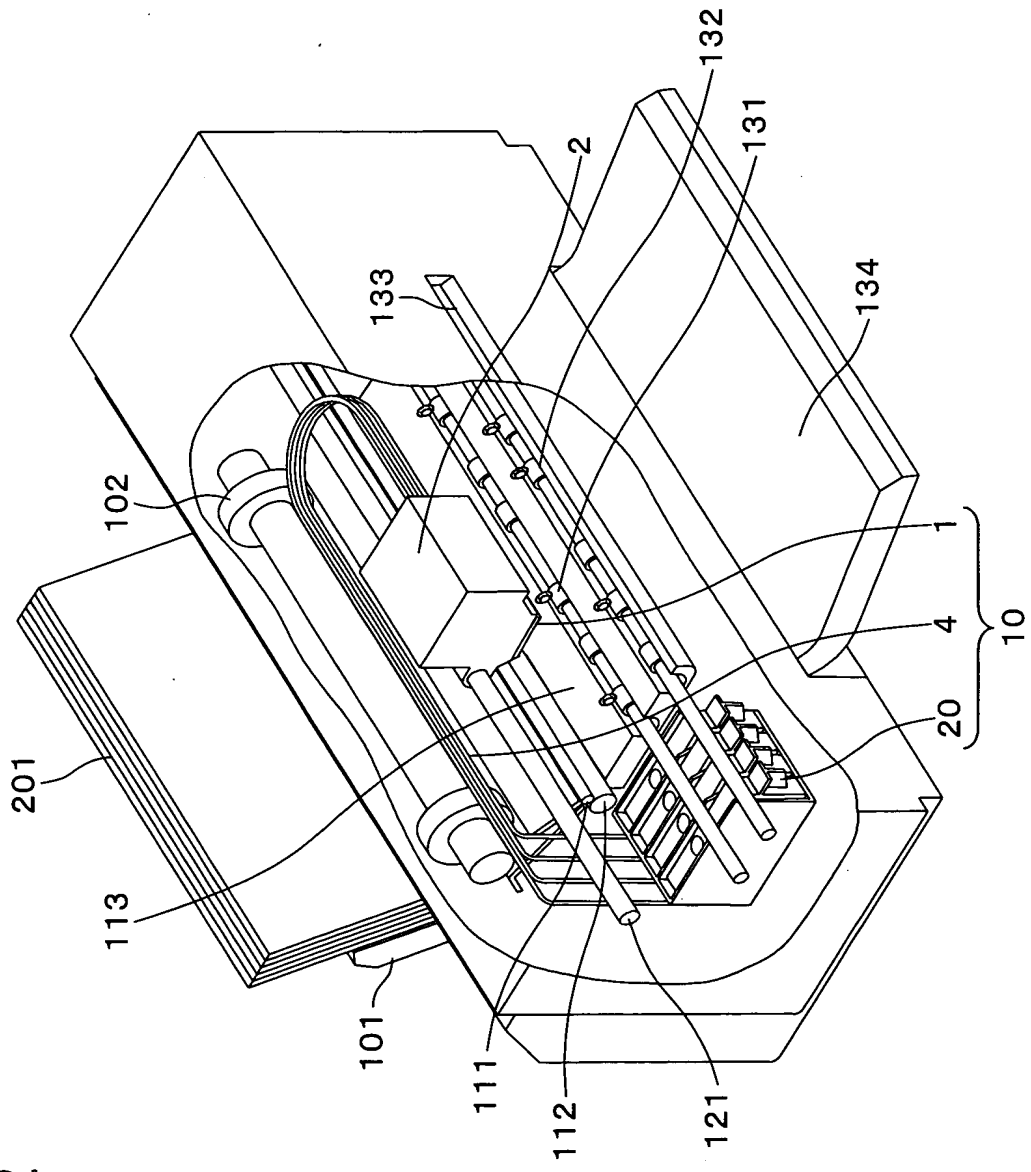


FIG. 3

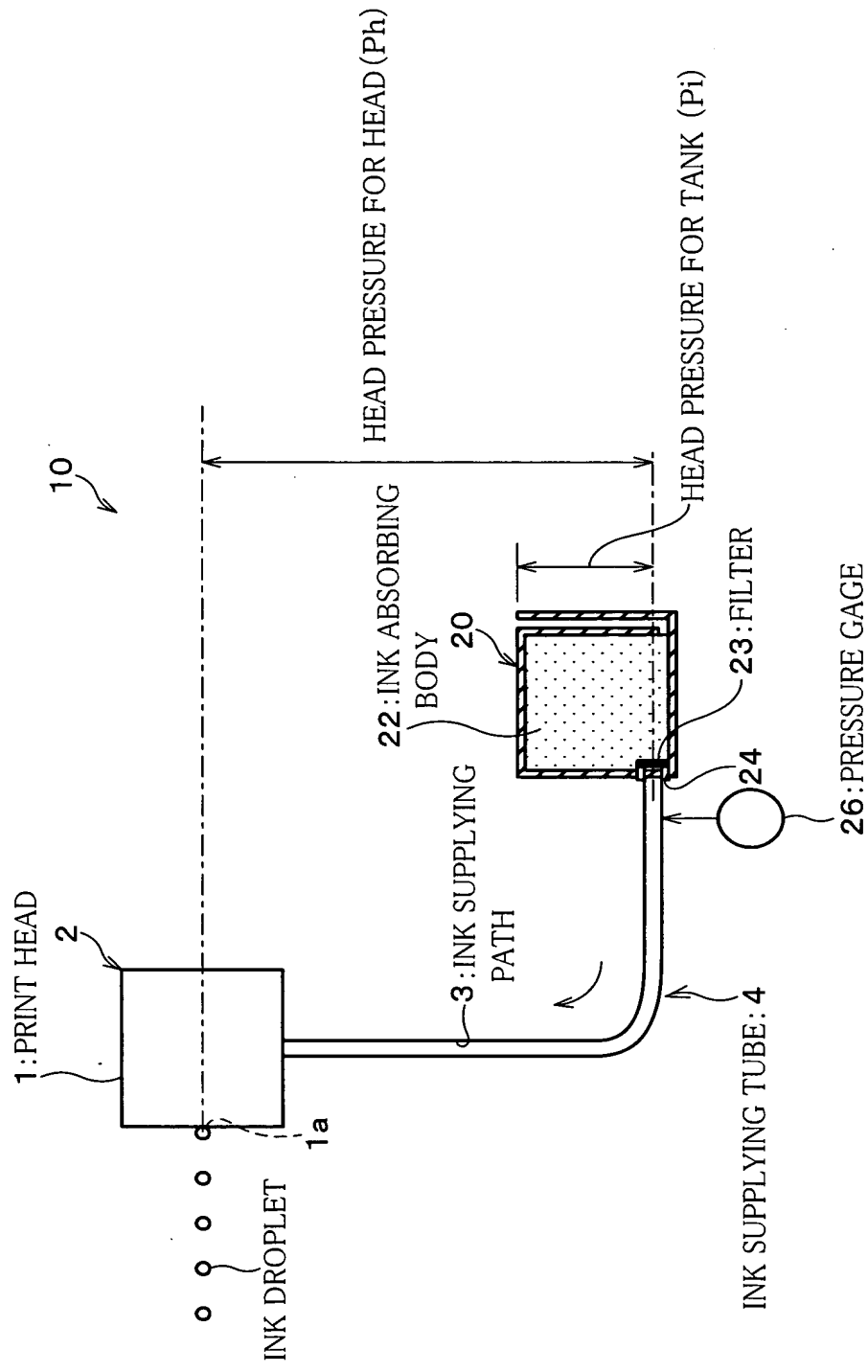
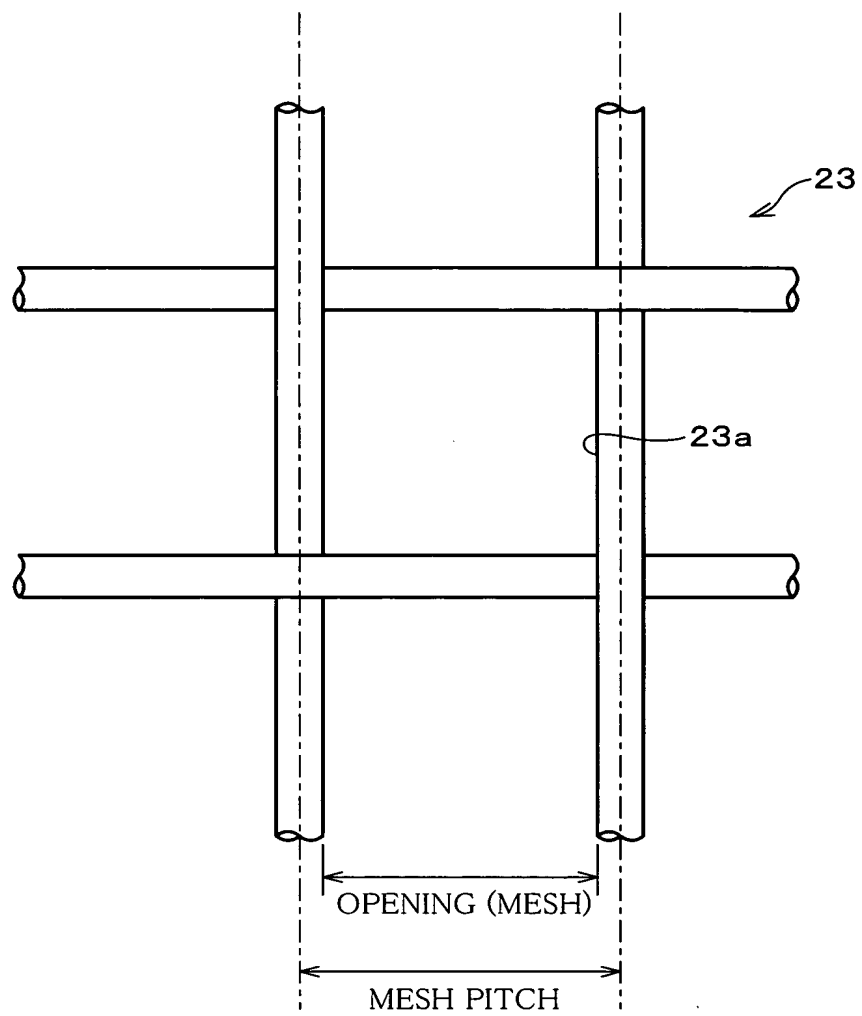


FIG. 4



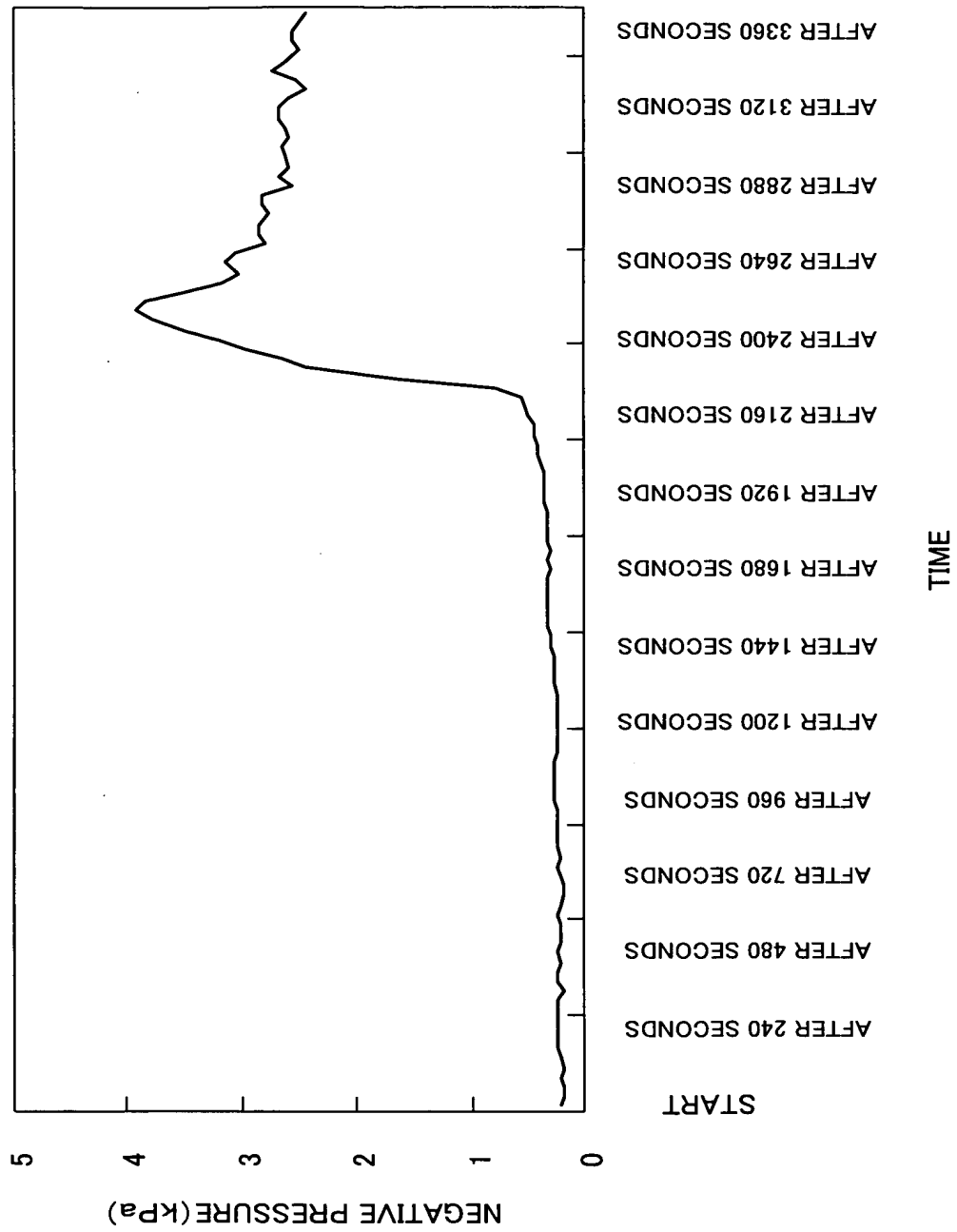


FIG. 5

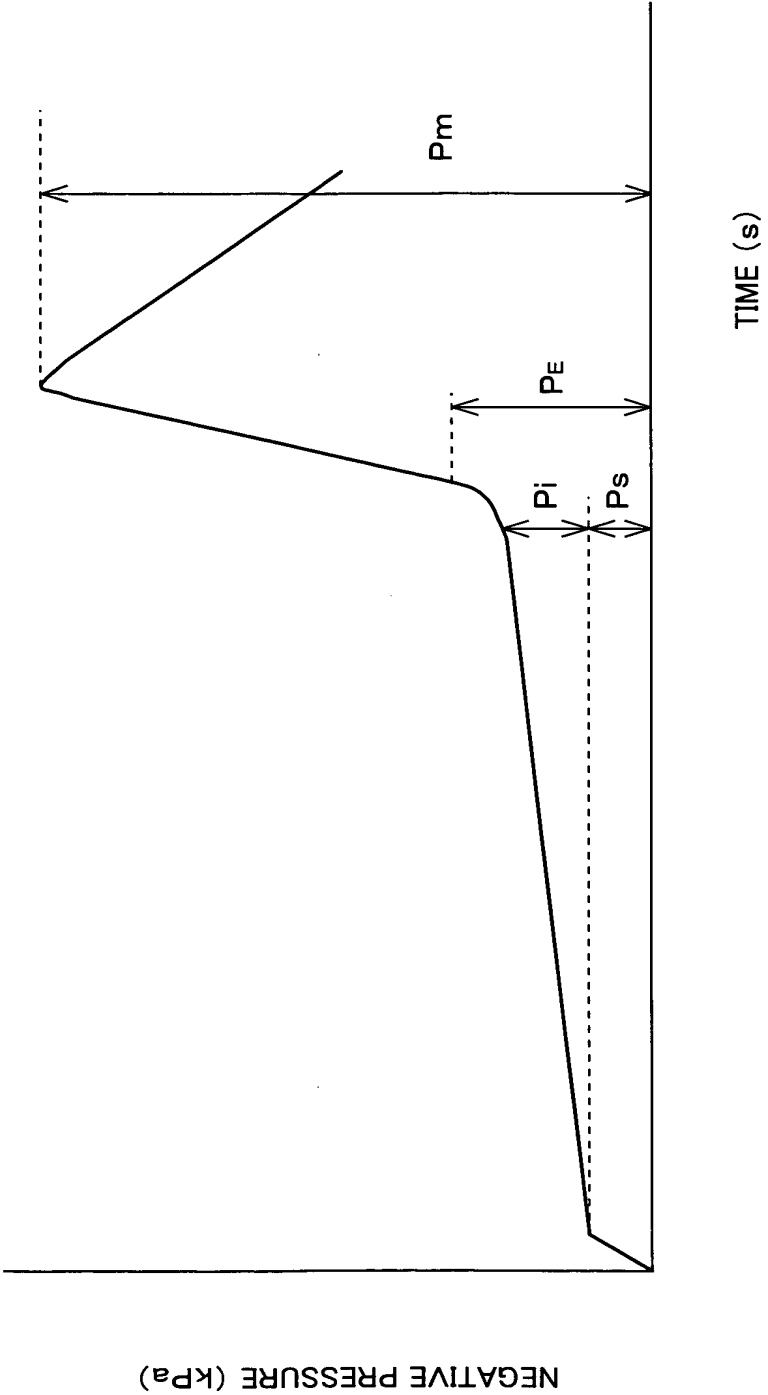


FIG. 6

- P_s : NEGATIVE PRESSURE DUE TO VISCOSITY WHEN THE INK IS FULLY CHARGED
- P_i : HEAD PRESSURE OF INK TANK (HEAD PRESSURE OF TANK)
- P_E : CRITICAL PRESSURE OF INK ABSORBING BODY WHEN THE INK IS DEPLETED
- P_m : CRITICAL PRESSURE OF FILTER

FIG. 7

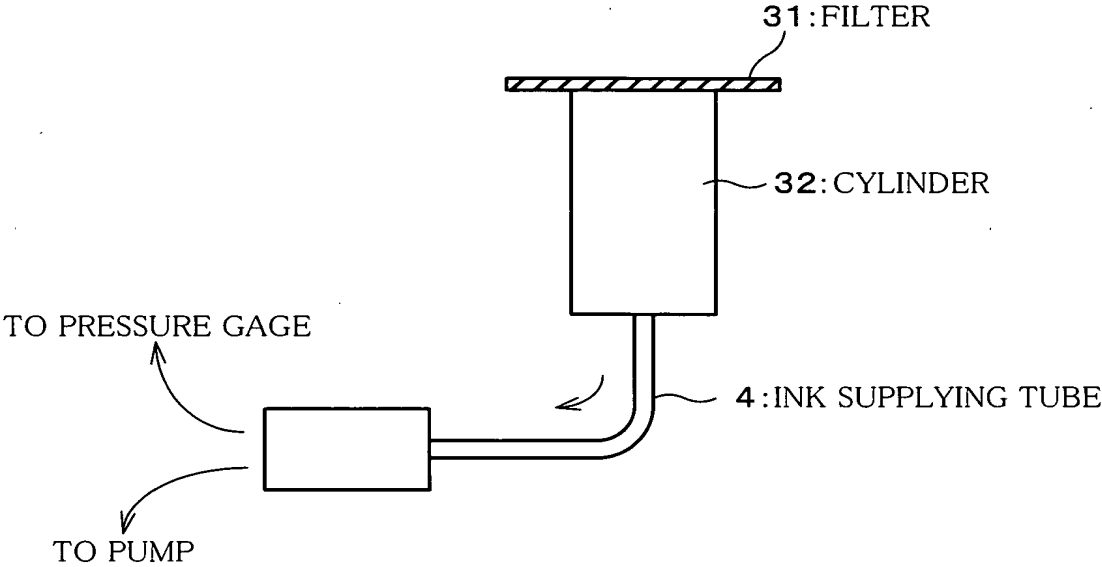


FIG. 8

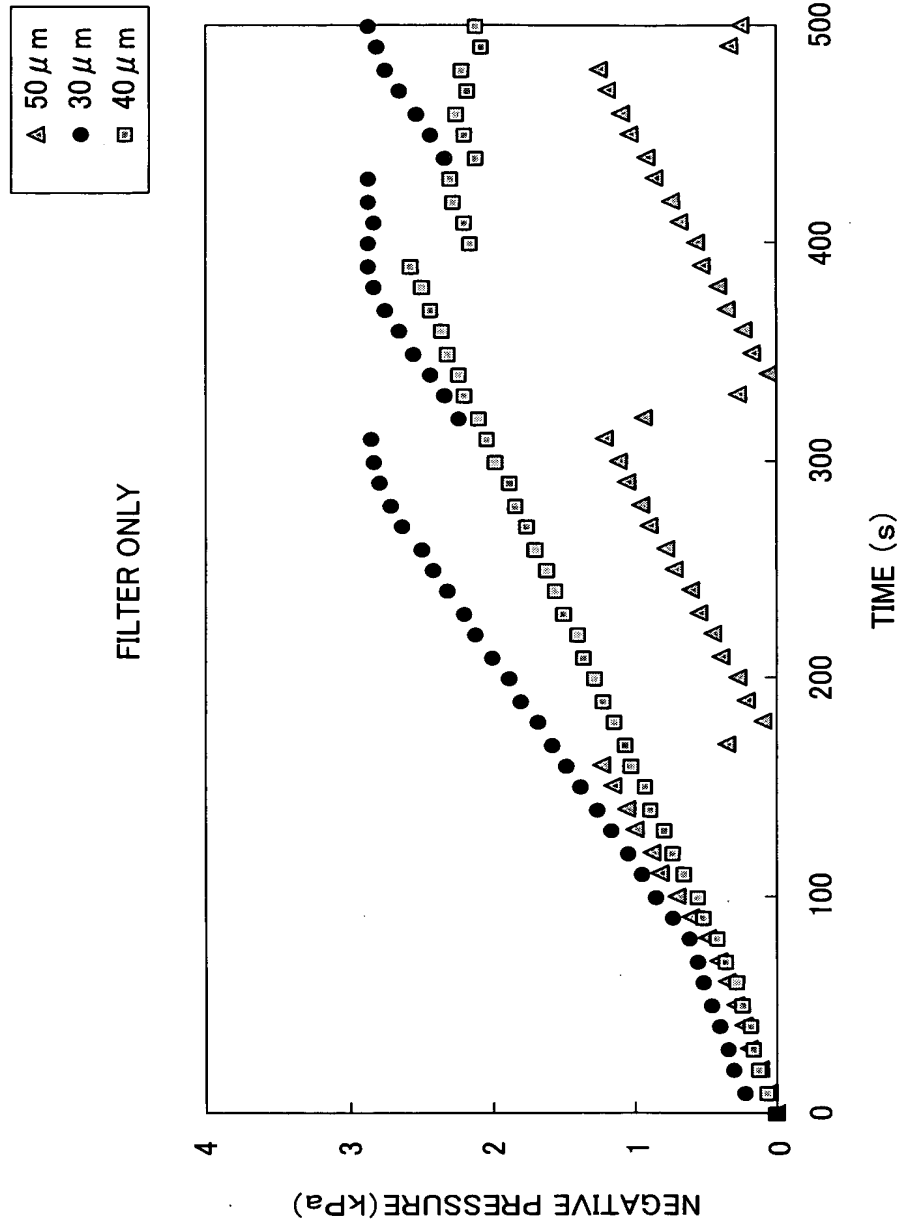


FIG. 9

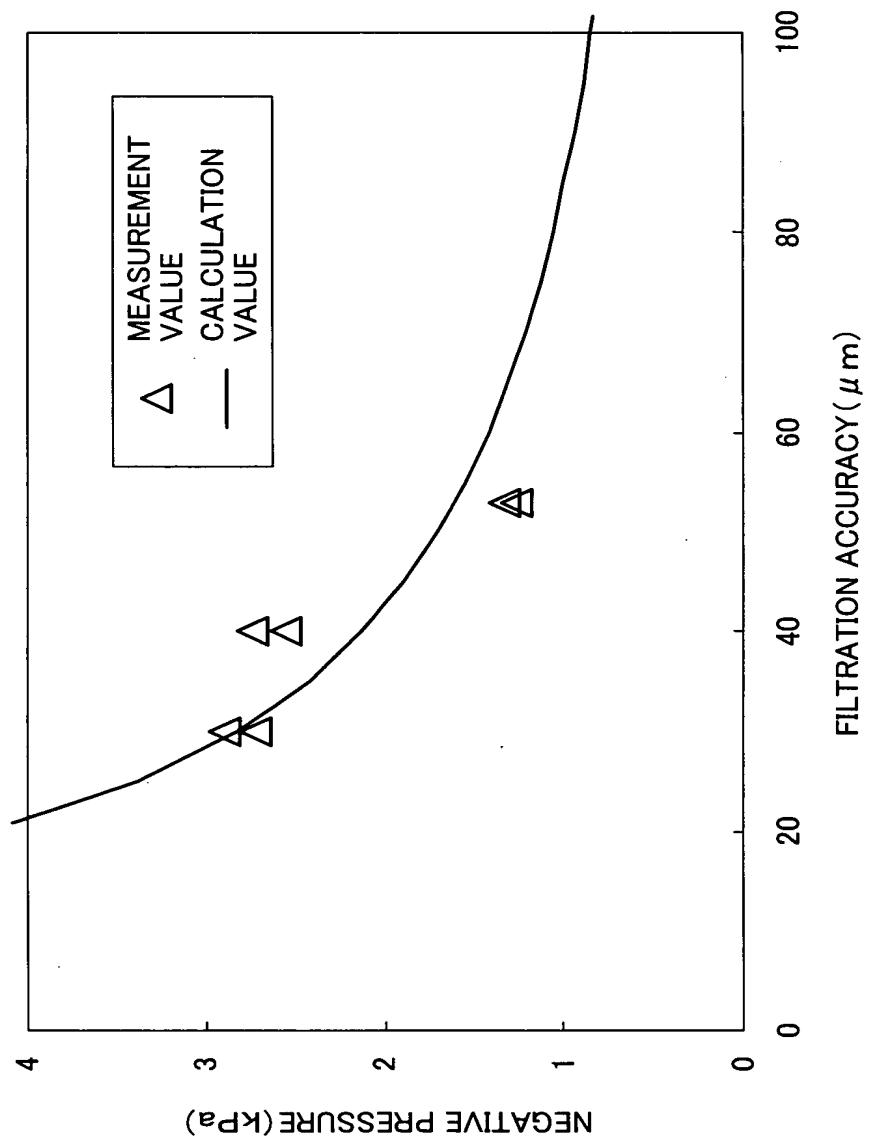


FIG. 10

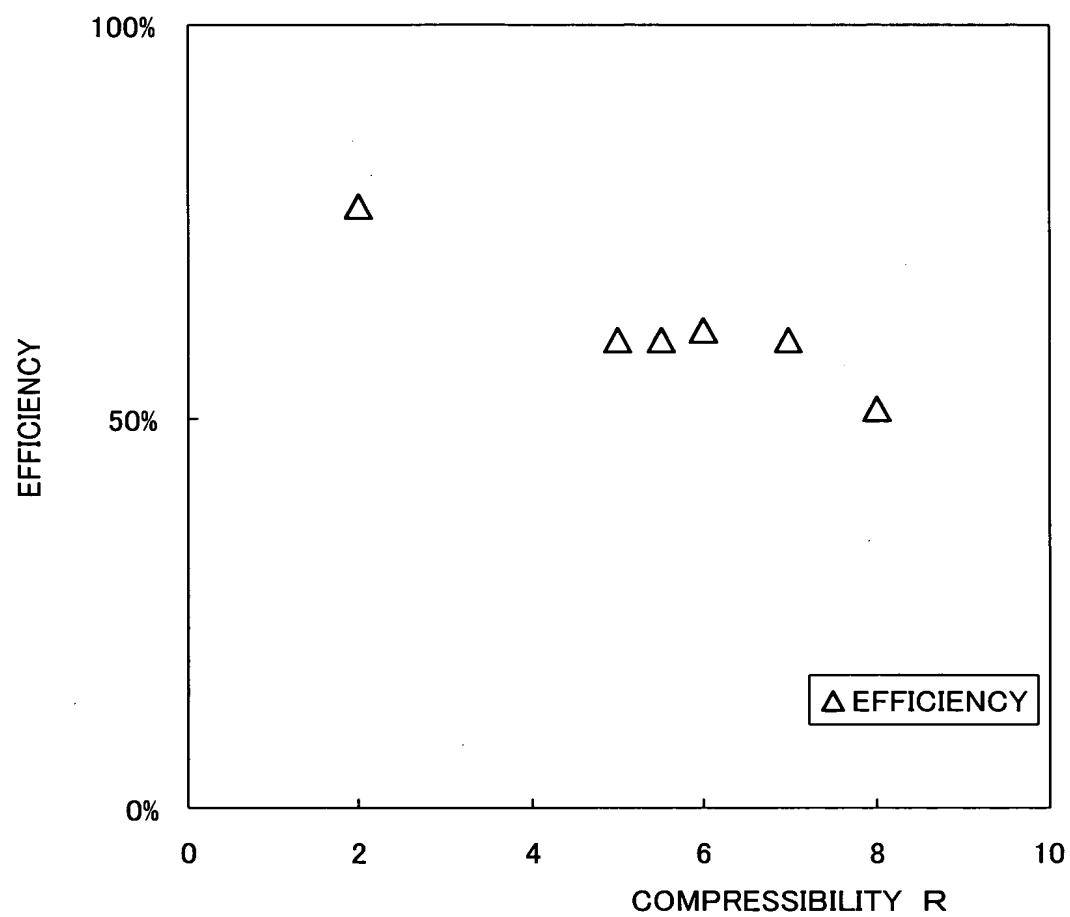


FIG. 11

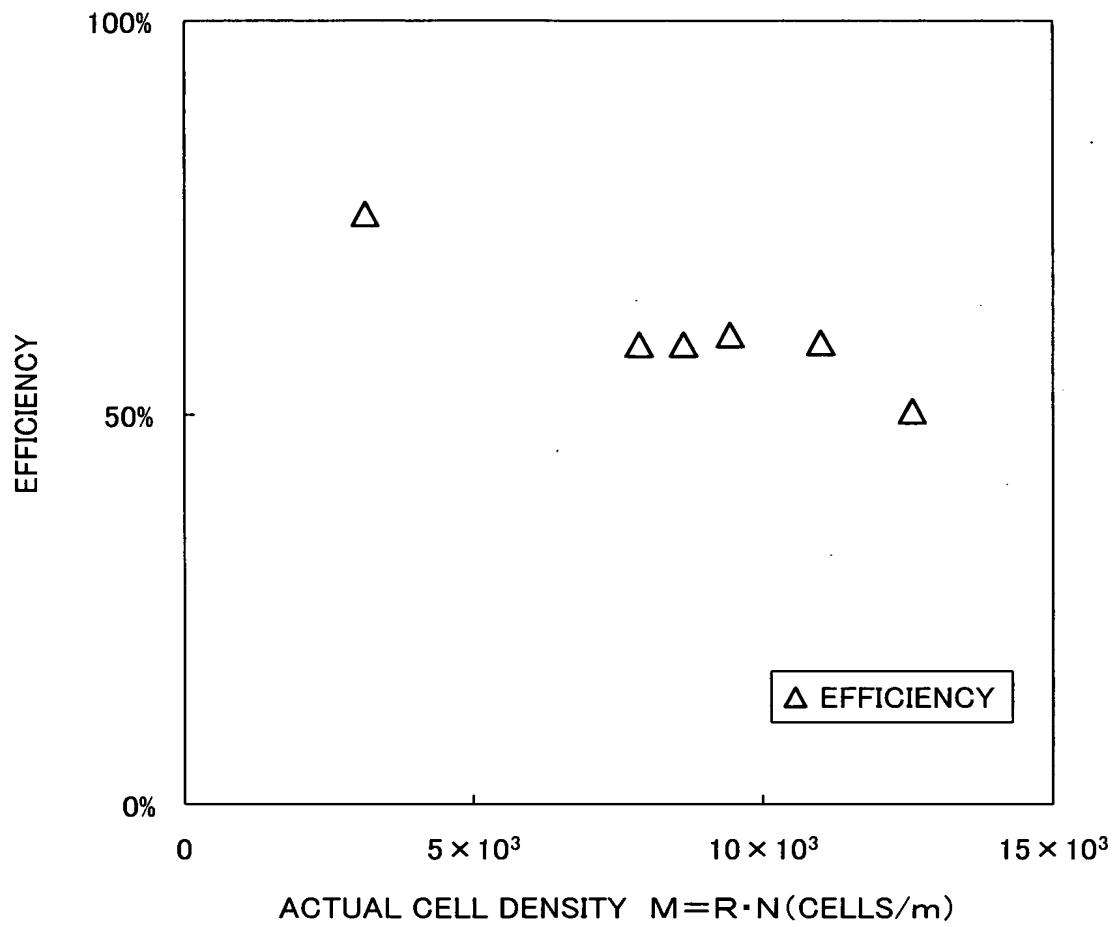


FIG. 12

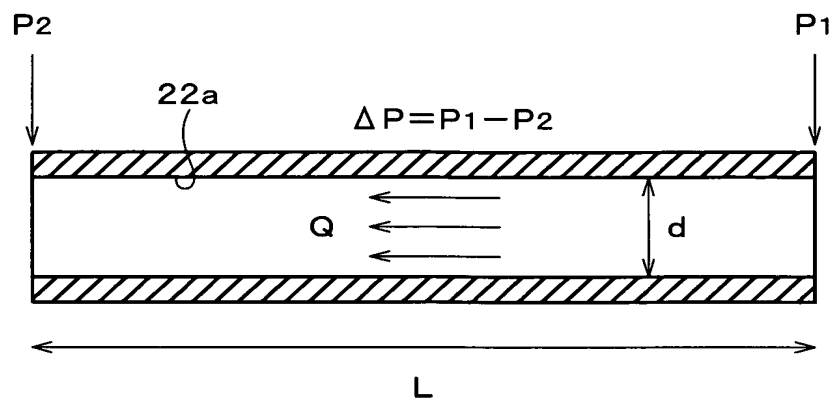


FIG. 13

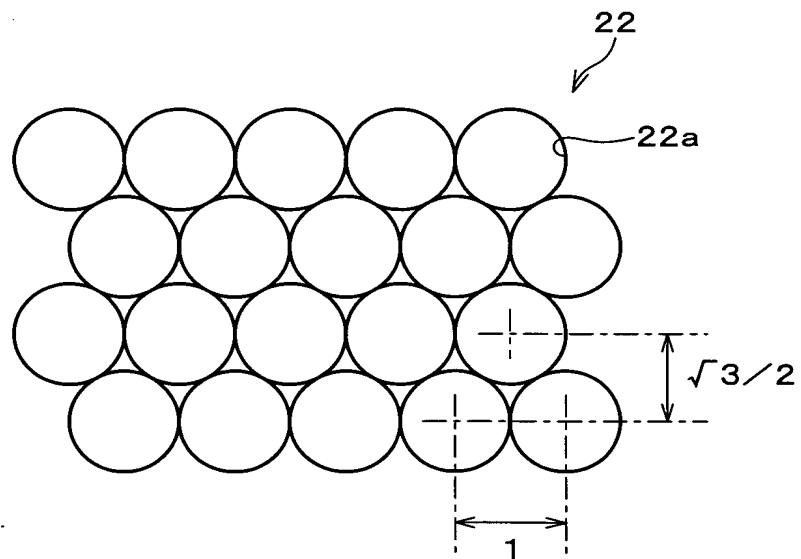


FIG. 14

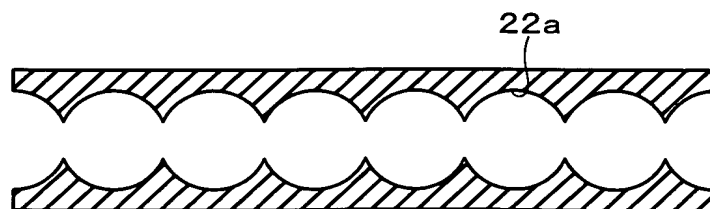
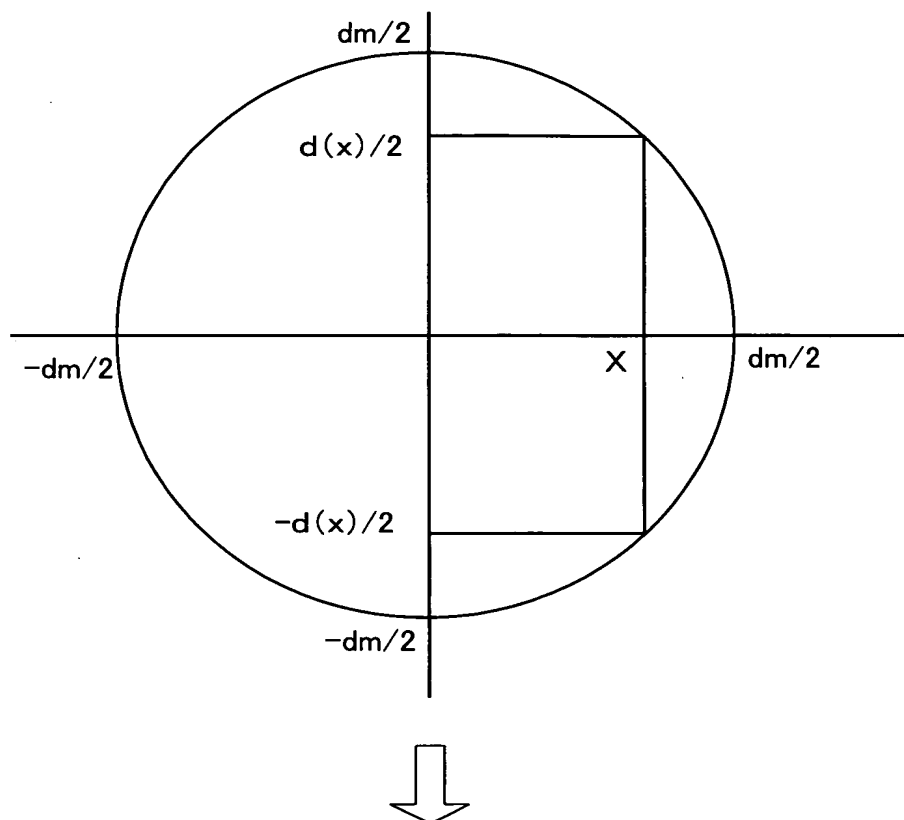


FIG. 15



$$Rd = \int_0^x \frac{1}{\{ 2\sqrt{(dm/2)^2 - X^2} \}^4} dX$$

$$Rm = \int_0^x \frac{1}{dm^4} dX$$

FIG. 16

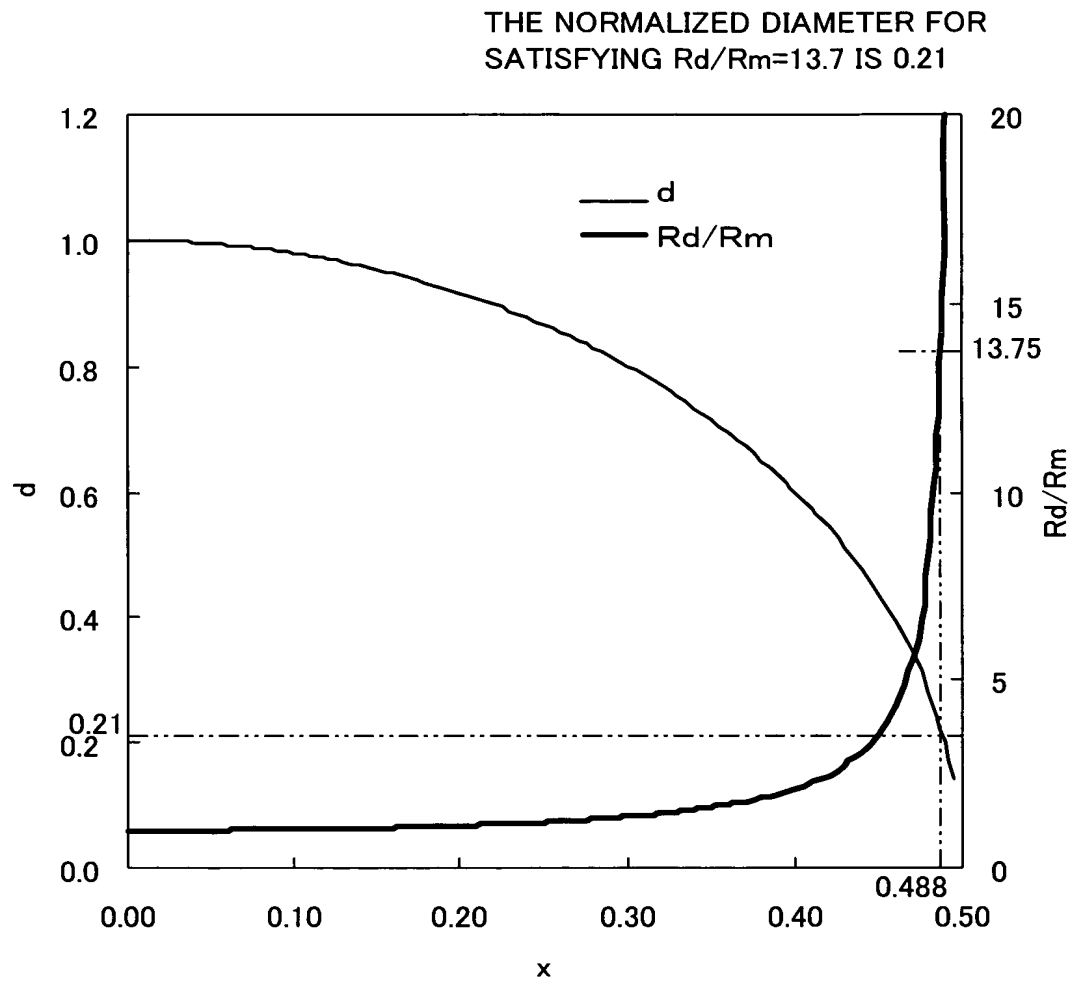


FIG. 17

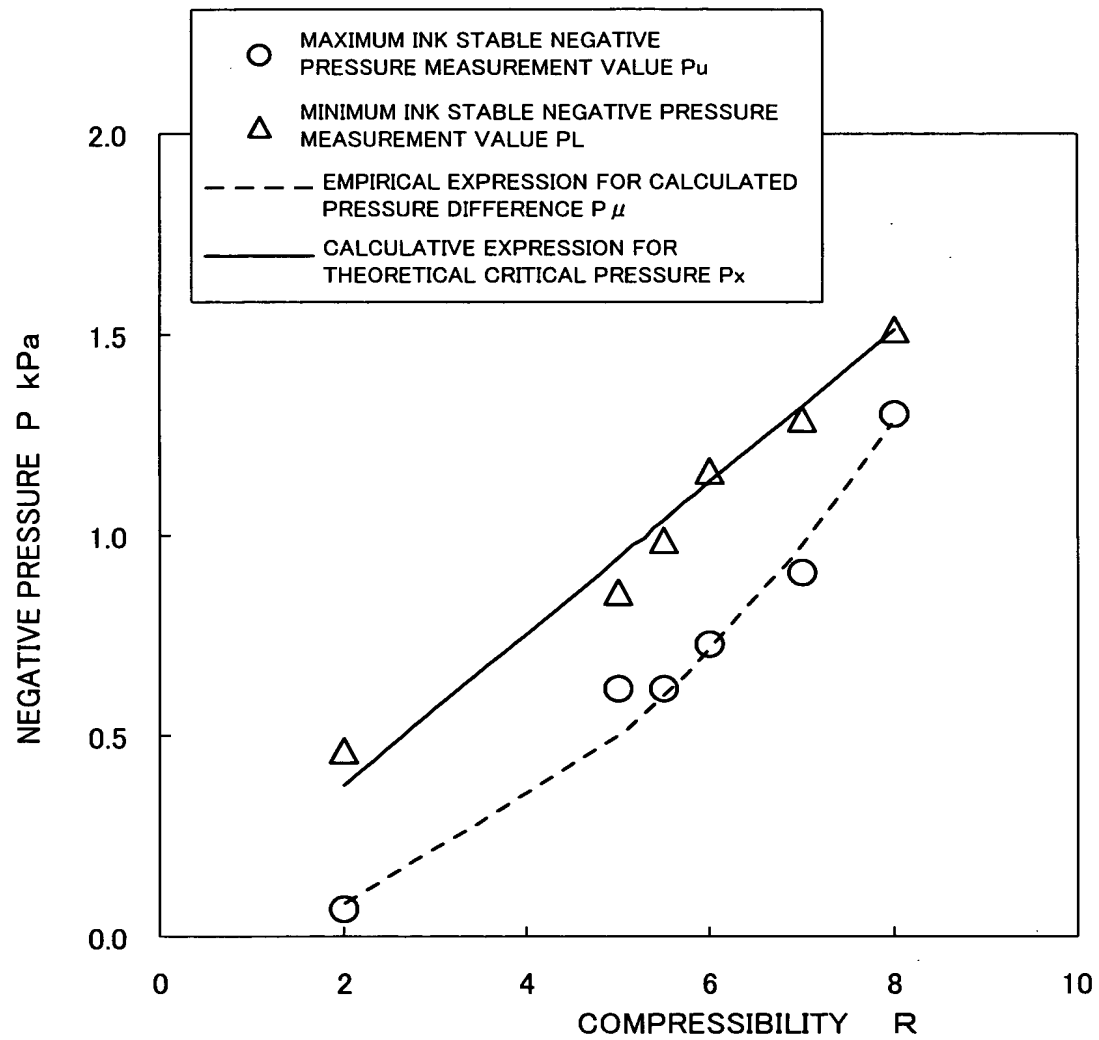
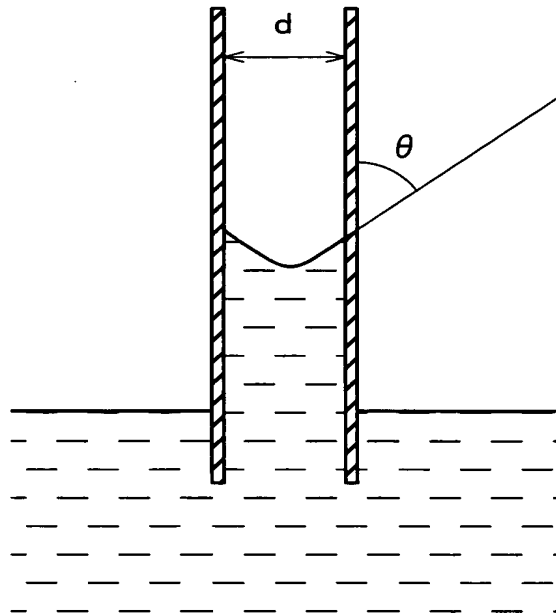
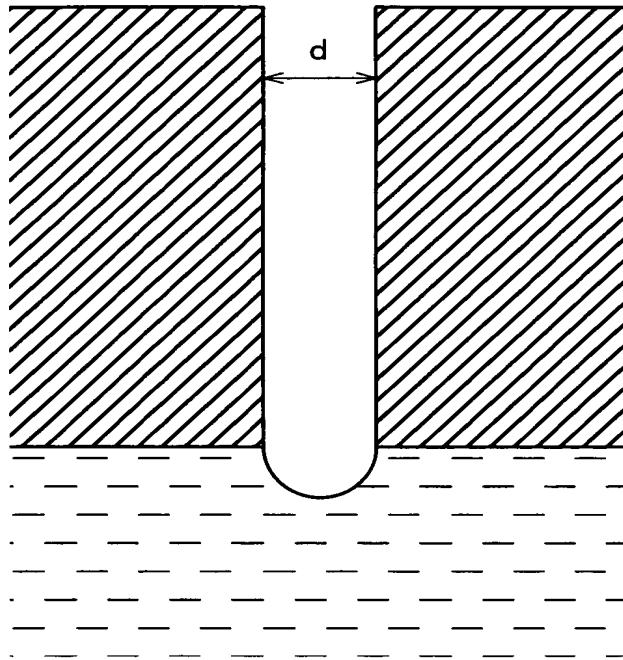


FIG. 18



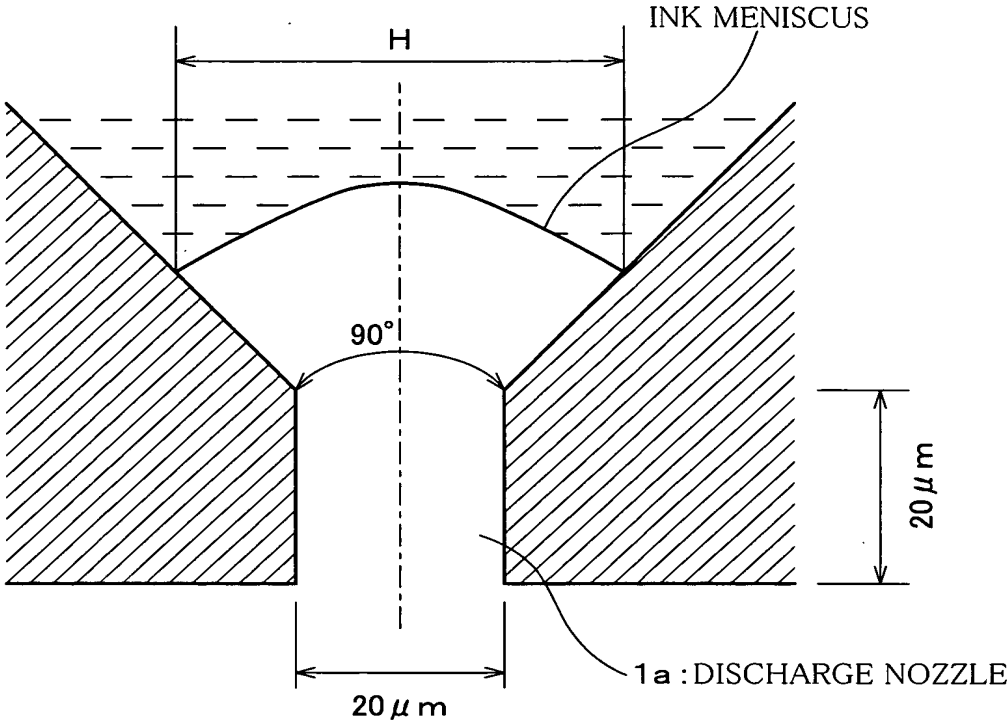
$$P_t = 4 \eta \cos \theta / d$$

FIG. 19



$$P_t = 4 \eta / d$$

FIG. 20



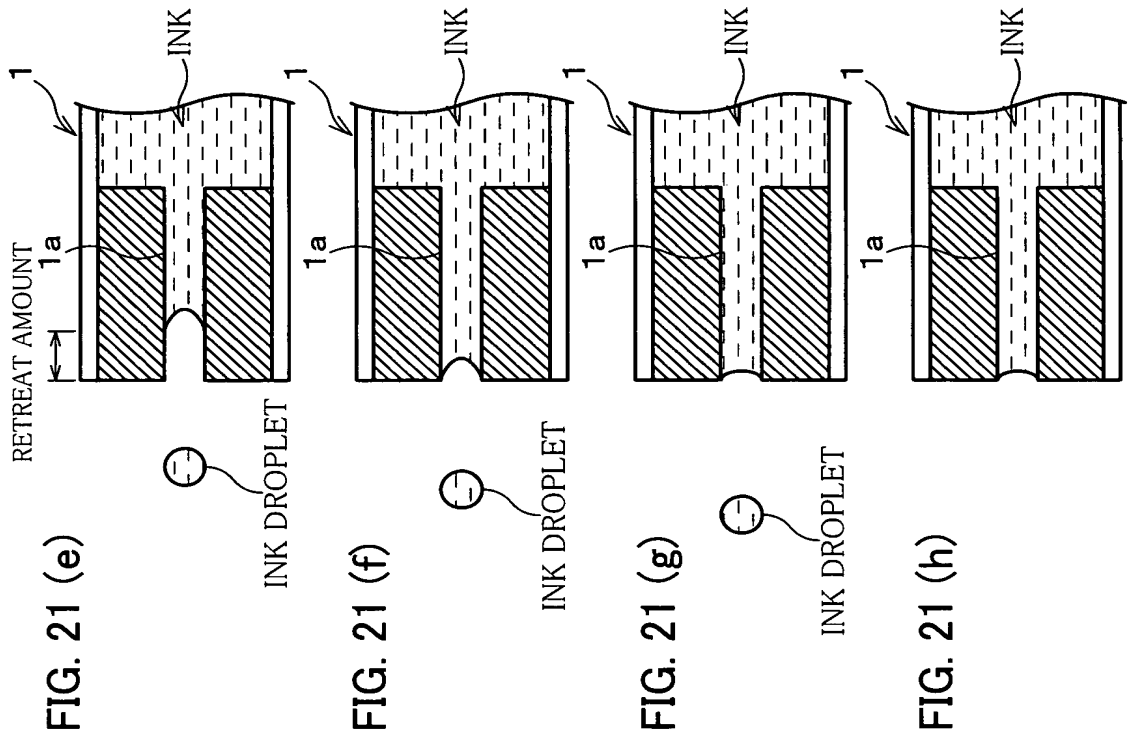
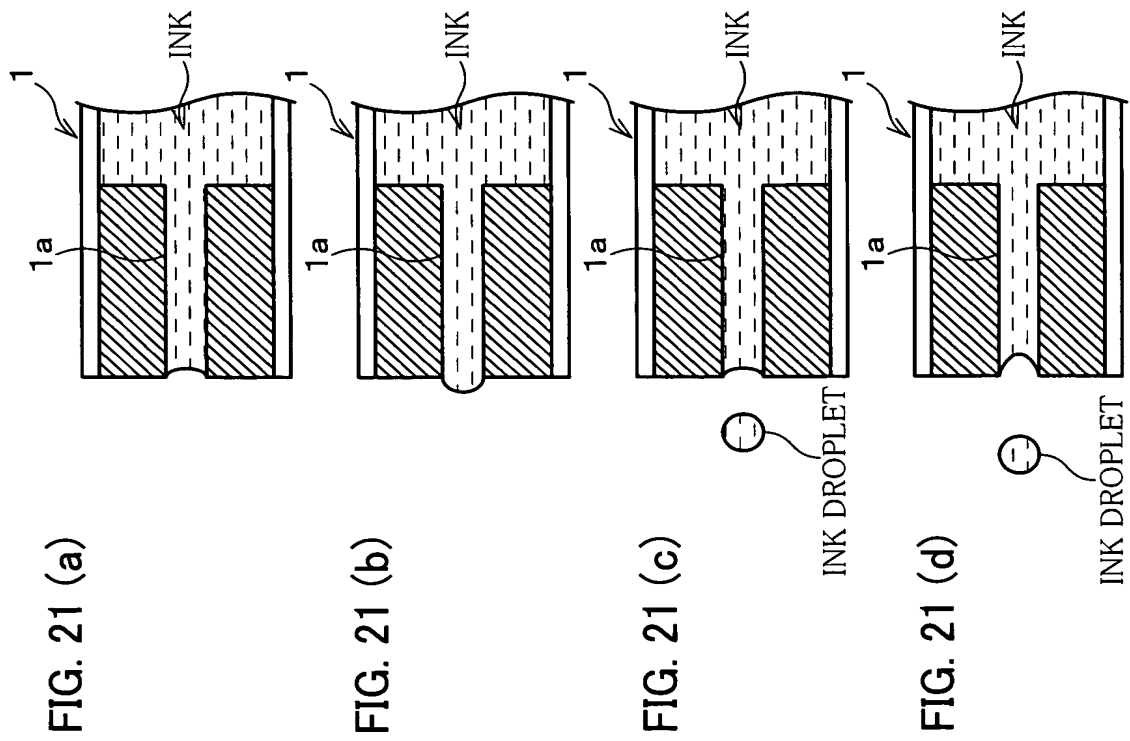


FIG. 22

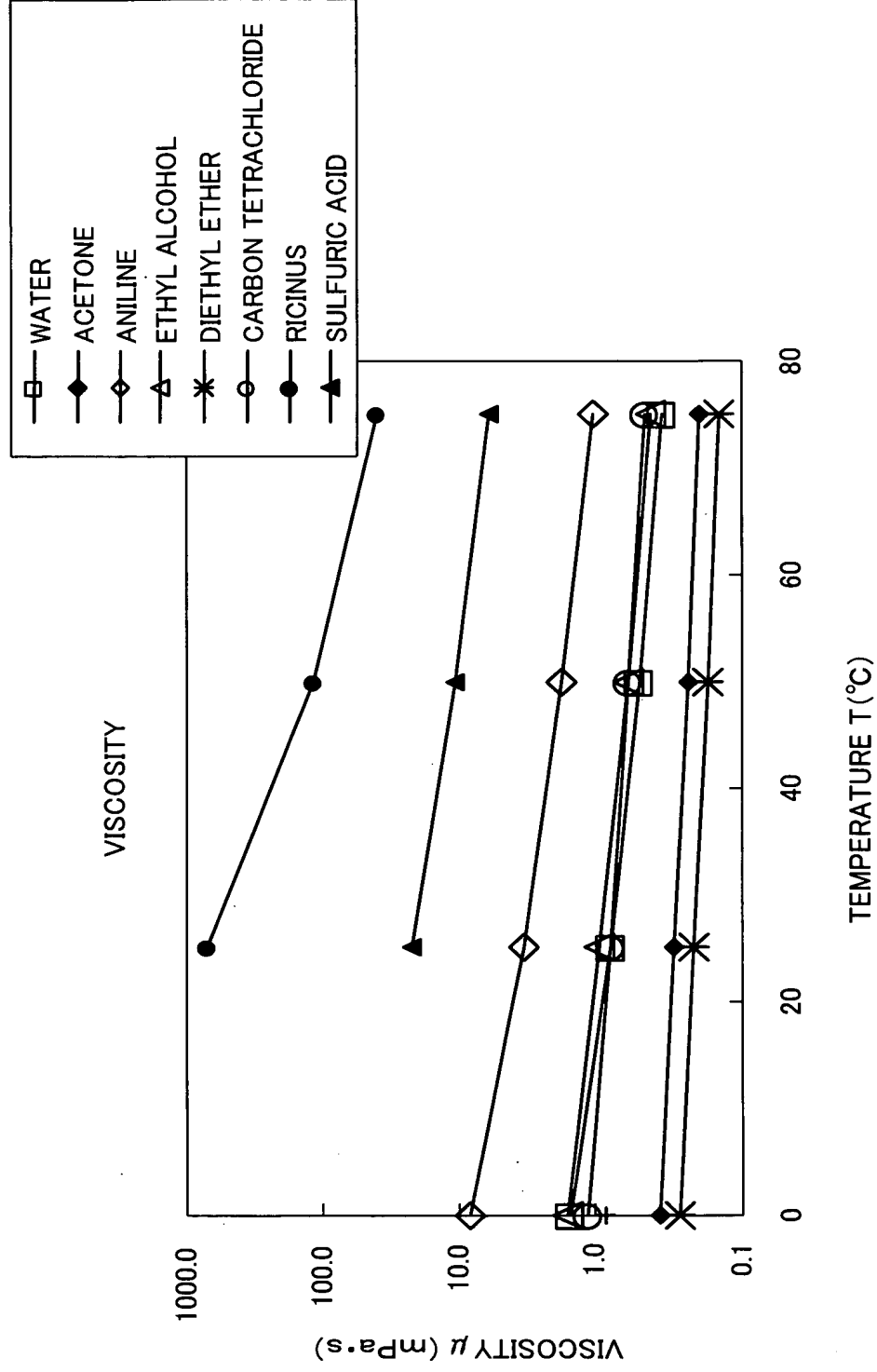


FIG. 23

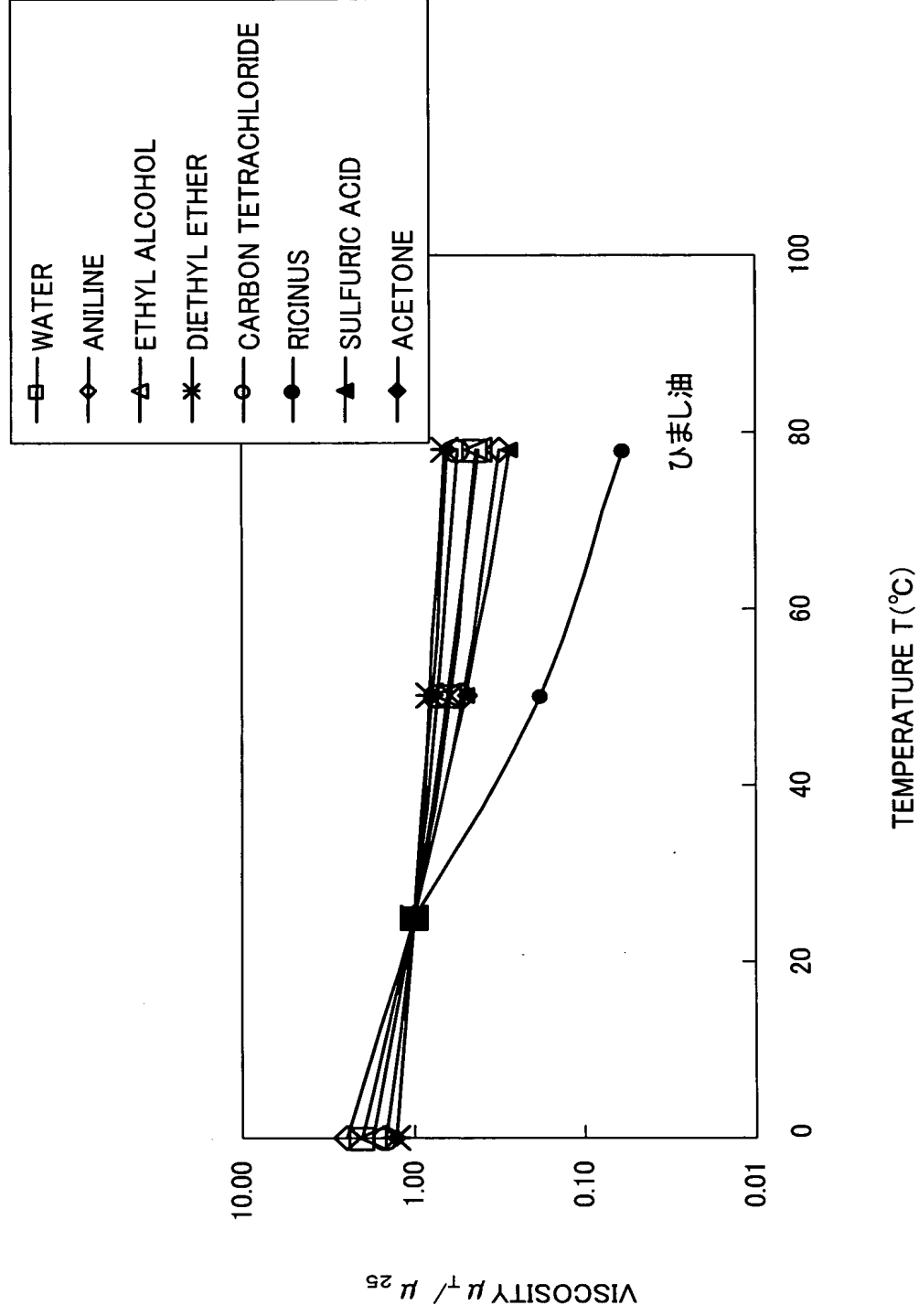


FIG. 24

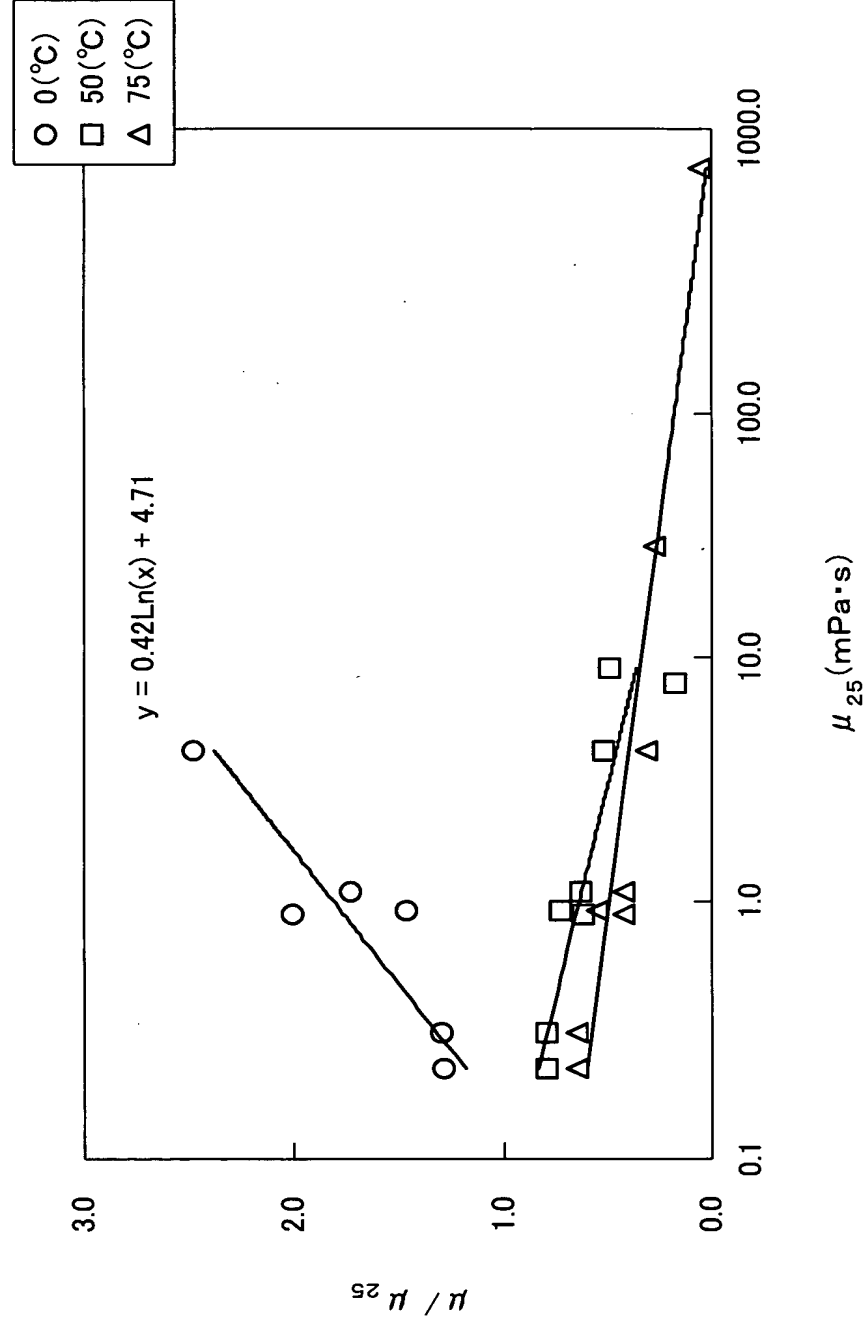


FIG. 25

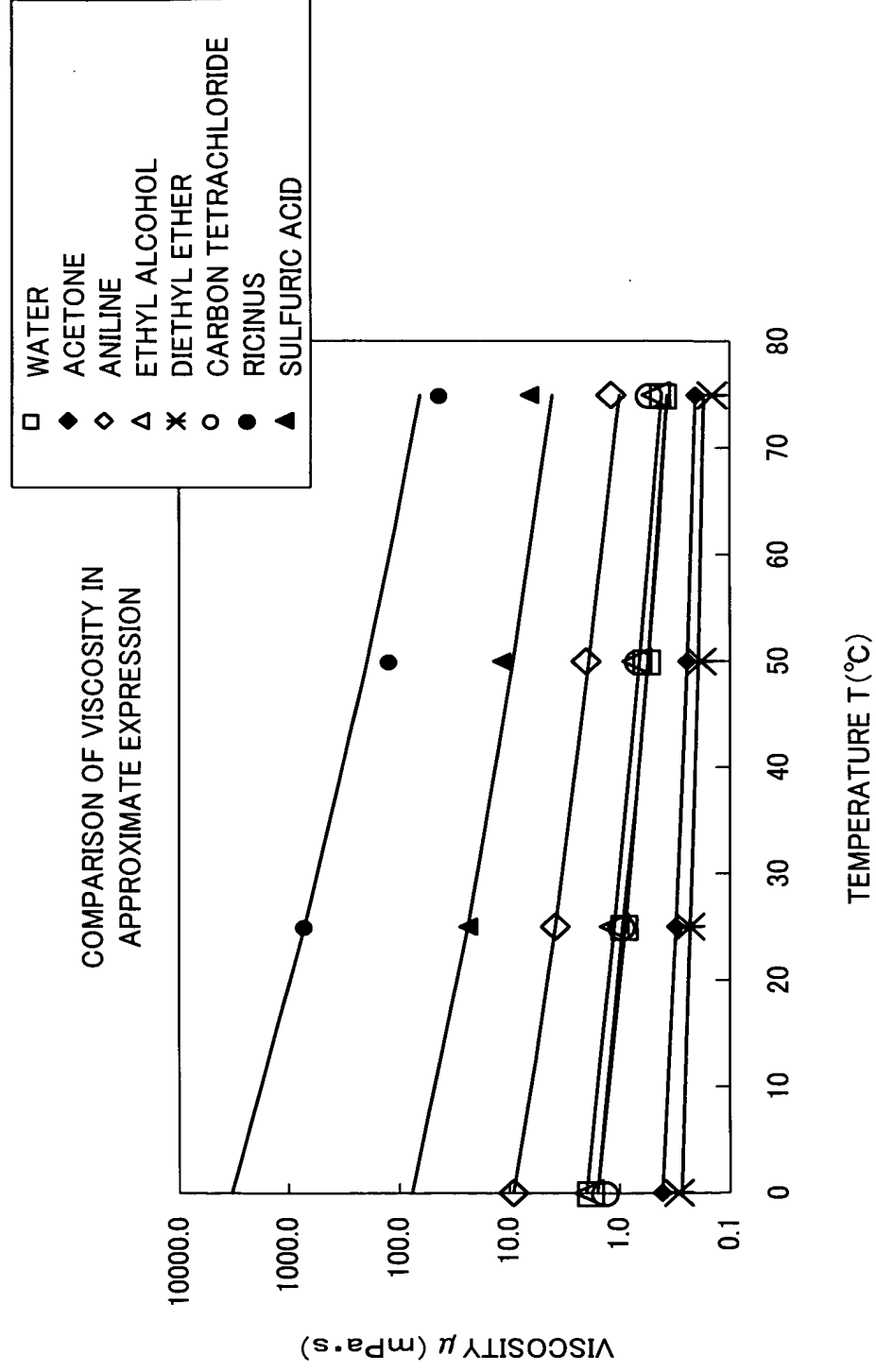


FIG. 26

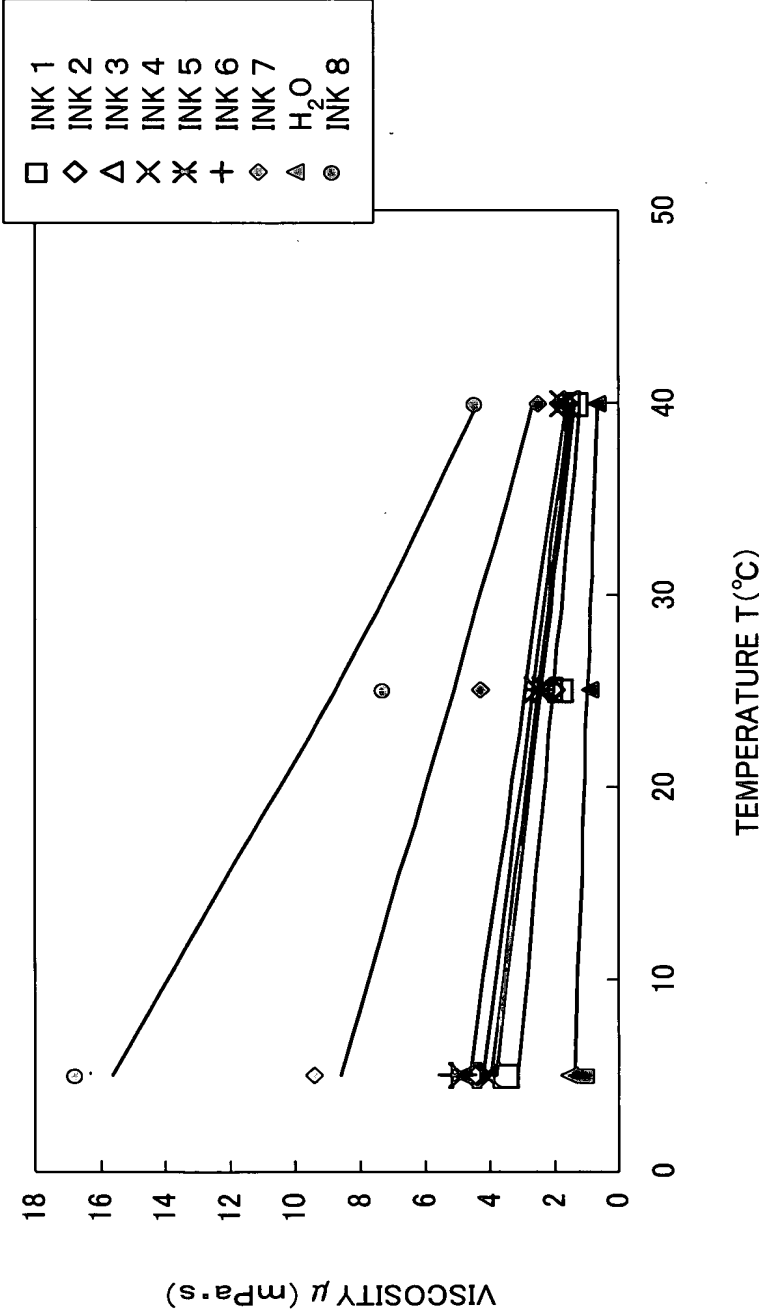


FIG. 27

